

## Transversal technologies

### **MASS SPECTROMETRY PLATFORM for metabolomic analysis of biomarkers and metabolic profiles:**

- Targeted metabolomic analysis conducted by:
  - LC-MS/MS triple quadrupole for targeted detection and quantification of biomarkers of intake and health by MRM: UHPLC-QqQ-MS/MS (API 3000)
  - High sensitivity QTRAP Technology for targeted detection and quantification of biomarkers of intake and health with capacity for producing MS<sup>3</sup> fragmentation (API 4000, API 6500)
- Non-targeted metabolomic analysis by LC-MS: HPLC-ESI-Q-ToF-MS (QSTAR Elite)
- Identification/confirmation of potential biomarkers using MS<sup>n</sup> fragmentations: UHPLC-LTQ-FT-Orbitrap MS (LTQ Orbitrap Velos). BIORMARKER PANEL (metabolite groups up to 600 validated biomarkers).

### **NUCLEAR MAGNETIC RESONANCE PLATFORM for global analysis of metabolic profile:**

- NMR-driven metabolomics target analysis: Varian Inova 500 MHz Bruker Avance III 600 MHz
- Identification and quantification of a validated biomarkers panel in biological samples (from 70/80 metabolites)

**Source URL:** <http://www.nutrimetabolomics.com/capacidades/tecnologias>

